Cooling only Range

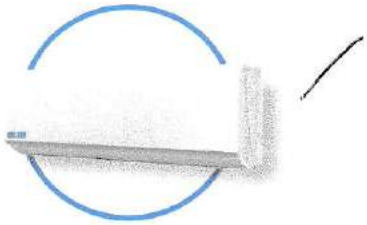
The most ater-e icient on the market !

FW

Direct Expansion

Indoor Units

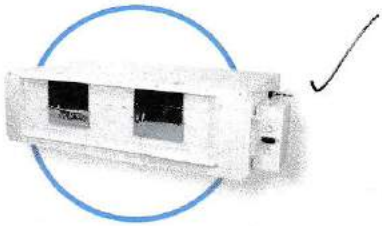
⊕ MI



⊕ CI

⊕ KI

⊕ GI



Applications

- City centers (offices, shops, classified buildings, services, etc.).
- Shopping malls
- Industry.

Product benefits

- No outdoor unit.
- No grid on the acade o the building
- Small-sized and easy to install.
- ON/OFF : easy to maintain.
- The most water-efficient of the .
- Included as standard Pressostatic .

Build your PART NUMBER (P/N)

W	Q	F	1	0	4	B	H

MODEL CODE 6 characters — OPTIONS Pack 2 characters

Don't forget to order the accessories you may need !

Refrigerant connections

- Max length : 20 m.
- Max height difference : 5 m.
- Preloaded for 4 m of refrigerant lines.

The power ratings indicated in the tables are "total power" and are delivered for an indoor air (indoor unit inflow) of +27°C / 50% RH (cooling mode). Notice: the power available to cool down the inside air ("sensible power") equals the "total power" minus the power absorbed by the condensation of air moisture (condensate).

R407C

Size		07	09	14	18	24	36	40	50	64	80
Model		FW07Q6	FW09Q6	FW14Q6	FW18Q6	FW24Q6	FW36Q6	FW40QY	FW50QY	FW64QY	FW80QY
Model code		WQF101	WQF102	WQF103	WQF104	WQF105	WQF106	WQF107	WQF108	WQF109	WQF110
Rated cooling power (1)	[kW]	2,0	2,5	3,3	5,0	7,0	8,8	9,5	12,3	14,0	17,5
EER	-	2,85	2,95	2,95	3,12	3,68	3,14	3,65	3,85	3,58	3,80
Electrical power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	400-3-50 +N	400-3-50 +N	400-3-50 +N	400-3-50 +N
Rated absorbed electrical power	[kW]	0,7	0,8	1,1	1,6	1,9	2,8	2,6	3,2	3,9	4,6
Rated current	[A]	3,8	4,5	5,7	8,5	9,3	13,2	5,2	5,7	7,0	8,2
Maximum current	[A]	4,1	4,7	6,6	8,8	11,0	14,6	7,3	8,4	10,5	12,4
Power supply cable	[mm²]	3 x 1,5	3 x 1,5	3 x 1,5	3 x 2,5	3 x 2,5	3 x 4,0	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
Connection cable (4)	[mm²]	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5
Dimensions (LxDxh)	[mm]	600x310 x430	600x310 x430	600x310 x430	600x310 x430	600x310 x430	600x360 x630	800x360 x630	800x360 x630	800x360 x630	800x360 x630
Weight	[kg]	33	34	37	41	42	55	70	72	75	78
Sound pressure (at 1m)	[dB(A)]	47	47	47	48	49	49	49	49	49	50
Liquid line - Suction line	[inch]	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"
Water connection	[inch]	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Rated water flow for a T° of +15°C	[L/h]	80	100	120	180	270	430	425	520	600	780
Rated water flow for a T° of +30°C	[L/h]	180	230	240	420	1000	2000	2300	2400	2700	2900
Maximum inlet water T° (3)	[°C]	+46	+45	+47	+45	+43	+42	+43	+42	+45	+42

(1) The unit delivers its rated cooling power for a water flow rate which depends on the inlet water temperature. The table indicates both the rated flow for a water inlet temperature of +15°C and of +30°C.
(2) If the water inlet temperature is more than +30°C, please contact us.
(3) The proper operation of the equipment is not guaranteed beyond the maximum water inlet temperature. This can, among others, cause premature wear of the compressor.
(4) The cables type and gauge are indicative. They correspond to an installation with a LTB indoor unit without electrical heating option.

Options

		WITHOUT LPS	WITH LPS
Enhanced noise insulation	WITHOUT	AH	BH
	WITH	CH	DH

_____ stops the compressor in case of a too lo pressure to protect the unit (lack of refrigerant gas, leakage ...).
_____ Soundproofing ith high density absorbent insulation foam to reduce sound pressure.

Accessories

Size		07	09	14	18	24	36	40	50	64	80
Disconnecting switch	Code	SET001YY						SET002YY			
Water filter	Code	SWT001YY				SWT002YY					
Water hoses set	Code	SWT004YY				SWT005YY					

_____
_____

Association with indoor units

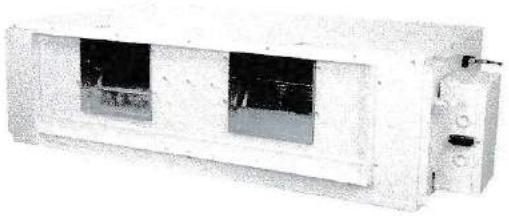
Size		07	09	14	18	24	36	40	50	64	80
Wall mounted units	Cf. p.36	•	•	•	•	•					
Consoles	Cf. p.37			•	•	•	•				
Cassettes	Cf. p.38			•	•	•	•	•	•		
Ducted units	Cf. p.39	•	•	•	•	•	•	•	•	•	•

Indoor Units

Ducted

Characteristics

Wired remote control ith temperature sensor
Possibility to control ith an infrared remote control (on demand)
3-speed fan
Lo noise level
Daily scheduling
Compatible ith R407C and R410A fluids



Ducted units can be used:

- For cooling only a cooling-only condensing unit)
- For cooling + thermodynamic heating (ith a reversible condensing unit)
- For cooling + Electrical heating ith resistor a cooling only condensing unit)

Part number		UGS101WA	UGS102WA	UGS201WA	UGS202WA	UGS204WA	UGS301WA	UGS302WA
Model		GI07-09/30Pa	GI14-18/30Pa	GI14-18/75Pa	GI24/75Pa	GI36-40/75Pa	GI36-40/150Pa	GI50-64-80/150Pa
Rated cooling power (1)	[kW]	2 à 2,5	3,3 à 5	3,3 à 5	7	8,8 à 9,5	8,8 à 9,5	12,3 à 17,5
Rated heating power (1) (2)	[kW]	2,6 à 3,2	3,85 à 5,85	3,85 à 5,85	7,6	9,67 à 10,3	9,67 à 10,3	13,4 à 18,7
Electrical power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Rated absorbed electrical power	[W]	40	60	90	120	180	350	500
Rated current	[A]	0,45	0,60	0,95	1,44	2,04	3,60	5,75
Air flow LS/MS/HS	[m3/h]	425/459/510	867/937/1020	816/918/1020	1122/1241/1360	1513/1785/2040	1649/1836/2040	2482/2754/3060
Sound pressure at 1m ducted - LS/MS/HS	[dB(A)]	35/36/37	35/37/39	27/38/40	38/40/42	39/40/42	50/59/64	57/63/67
Dimensions (LxDxh)	[mm]	665x440x212	930x470x215	1020x580x290	1130x490x240	1340x580x290	1205x730x370	1425x730x370
Net weight	[kg]	20	27	27	34	51	53	62
Liquid line - Suction line	[Inch]	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"	3/8" - 5/8"	3/8" - 3/4"	3/8" - 3/4"	3/8" - 7/8"

(1) Rated performance is given for a sucked air temperature of +27°C / 50% RH in cooling mode and +20°C in heating mode

(2) Rated heating po er hen used ith a LTB reversible condensing unit.

art er		UGS101WB	UGS102WB	UGS201WB	UGS202WB	UGS204WB	UGS301WB	UGS302WB
Model		GI07-09/30Pa	GI14-18/30Pa	GI14-18/75Pa	GI24/75Pa	GI36-40/75Pa	GI36-40/150Pa	GI50-64-80/150Pa
Heating power (electrical heating)	[kW]	2	2	2	4	6	4	6
Electrical power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Rated current	[A]	9,2	9,2	10,5	19,8	29,5	22	33,5

The other data are identical to those of the model ithout electrical heating (see table above).

The installation must ensure with an aeraulic study that the available pressure of the selected unit (30 Pa, 75 Pa or 150 Pa) is adapted to the pressure drop of the suction duct, the discharge duct and the grids, in order to meet the rated airflow. For silent installation, it is recommended to use isophonic air ducts to absorb the noise blown by the fan.

The indoor units are associated with the condensing units of the same size (ex: GI24/75Pa with FW24 or with FA24)

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Wall mounted units

Discrete bac

(concealable)

Characteristics

Infrared remote control
3-speed fan
Daily scheduling
Backlit display (concealable)
Ionizer
Compatible ith R407C and R410A fluids

Wall mounted units can be used:

- For cooling only (ith a cooling-only condensing unit)
- For cooling + thermodynamic heating (ith a reversible condensing unit)

art er		UMS101WA	UMS102WA	UMS103WA	UMS104WA
Model		MI07-09	MI14	MI18	MI24
Rated cooling power (1)	[kW]	2 à 2,5	3,3	5	7
Rated heating power (1) (2)	[kW]	2,6 à 3,2	4	5,85	7,6
Electrical power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50
Rated absorbed electrical power	[W]	35	40	50	65
Rated current	[A]	0,5	0,5	0,6	0,6
Air flow (HS)	[m3/h]	450	500	800	1000
Sound pressure at 1m (LS)	[dB(A)]	29	30	36	40
Dimensions (LxDxh)	[mm]	745x195x250	800x190x280	900x215x292	1080x220x302
Net weight	[kg]	9	10	13	16
Liquid line Suction line	[inch]	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"	3/8" - 5/8"

) Rated heating po

The indoor units are associated with the condensing units of the same size (ex: MI18 with FW18 or with FA18)